

Application No. 09/899,915

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

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1-3. (Canceled)

4. (Currently Amended) A driver circuit to drive a pixel of an electroluminescent device, the pixel including an electroluminescent element, the circuit comprising:

a transistor connected so as to operatively control a current supplied the electroluminescent element;

a first switching device connected so as to establish a current path through the transistor during a programming stage; and

a second switching device connected so as to establish a current path through the transistor and the electroluminescent element during a reproduction stage,

the first switching device being connected such that the current path does not pass through the electroluminescent element during the programming stage,

the first and second switching devices being controlled by respective control signals supplied from separate from each other signal lines.

5. (Previously Presented) The driver circuit according to claim 4, further comprising a third switching device, the third switching device being connected to bias the transistor to act as a diode during the programming stage.

6. (Canceled)

7. (Previously Presented) The driver circuit according to claim 5, wherein the third switching device connects the first switching device to the gate of the transistor.

8-9. (Canceled)

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10. (Previously Presented) The driver circuit according to claim 4, wherein the circuit is implemented with polysilicon thin film transistors.

11. (Currently Amended) A method of controlling a current supply to an electroluminescent element, the method comprising:

providing a first current path during a programming stage by using a first switching device connected so as to establish the first current path, said first current path not passing through the electroluminescent element; and

providing a second current path during a reproduction stage by using a second switching device connected so as to establish the second current path, said second current path passing through the electroluminescent element,

the first switching device and the second switching device being controlled by respective control signals supplied from separate ~~from each other~~ signal lines.

12. (Currently Amended) A method of controlling a current supply to an electroluminescent element, the method comprising:

providing a current path during a programming stage, said current path connecting to a current sink through a data line; and

providing a current path during a reproduction stage, said current path passing through the electroluminescent element.

13. (Previously Presented) An electroluminescent display device comprising the driver circuit according to claim 4.

14. (Original) An electronic apparatus incorporating an electroluminescent display device as claimed in claim 13.

15-26. (Canceled)

27. (Currently Amended) A circuit comprising a current driven element, the circuit providing a first current path flowing a current through the current driven element by

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controlling a first switching means, the circuit providing a second current path not flowing the current through the current driven element by controlling a second switching means,

the first switching means and the second switching means being controlled by respective control signals supplied from separate from each other signal lines.

28. (Canceled)

29. (Previously Presented) The circuit according to claim 4, wherein the transistor is a p-channel thin film transistor.

30. (Previously Presented) The circuit according to claim 27, wherein the first, the second, and the third switching means are n-channel thin film transistors.

31. (Previously Presented) The circuit according to claim 27, wherein the first current path and the second current path include a transistor.

32. (Currently Amended) An electro-optical device having a plurality of pixels, each of the plurality of pixels comprising a circuit with a current driven element and a current determining device that determines a current according to a data signal,

the circuit providing a first current path that includes the current driven element by controlling a first switching device, the circuit further providing a second current path that does not include the current driven element by controlling a second switching device,

the first and second switching devices being controlled by respective control signals supplied from separate from each other signal lines.

33. (Original) An electronic apparatus including the electro-optical device according to claim 32.

34. (Currently Amended) A circuit comprising a current driven element, the circuit providing a first current path including the current driven element and a second current

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path not including the current driven element, the second current path being connected to a current sink through a data line during a programming stage.

35. (Canceled)

36. (Currently Amended) A method for driving a circuit comprising a current driven element and a transistor that controls a current supplied to the current driven element, the method comprising:

determining a gate voltage of the transistor by flowing a data current from a voltage supply to a current sink through the transistor and a data line; and

providing a driving current to the current driven element, the driving current corresponding to the gate voltage determined according to the data current.

37. (Canceled)

38. (Previously Presented) The method according to claim 36, is the data current being supplied to the current driven element during the determining of the gate voltage of the transistor.

39. (Currently Amended) A driver circuit to drive a pixel of an electroluminescent device, the driver circuit comprising:

a transistor connected so as operatively control the current supplied to the electroluminescent element;

a first switching device connected so as to establish a first current path ~~through~~ including the transistor during the programming stage;

a second switching device connected so as to establish a second current path ~~through including the transistor~~ and the electroluminescent element during a reproduction stage; and

a current sink,

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_____ the first switching device being connected such that the first current path during the programming stage is connected through ~~the transistor~~ a data line to the current sink.

40. (Currently Amended) The driver circuit according to claim 39, the first and second switching devices being controlled by respective control signals supplied from ~~separate from each other~~ signal lines.

41. (Previously Presented) An electroluminescent display device comprising the driver circuit according to claim 39.

42. (Previously Presented) The driver circuit according to claim 39, the transistor being a p-channel transistor.

43. (Previously Presented) The driver circuit as claimed in claim 39, the first and the second switching devices being formed of respective n-channel transistors.